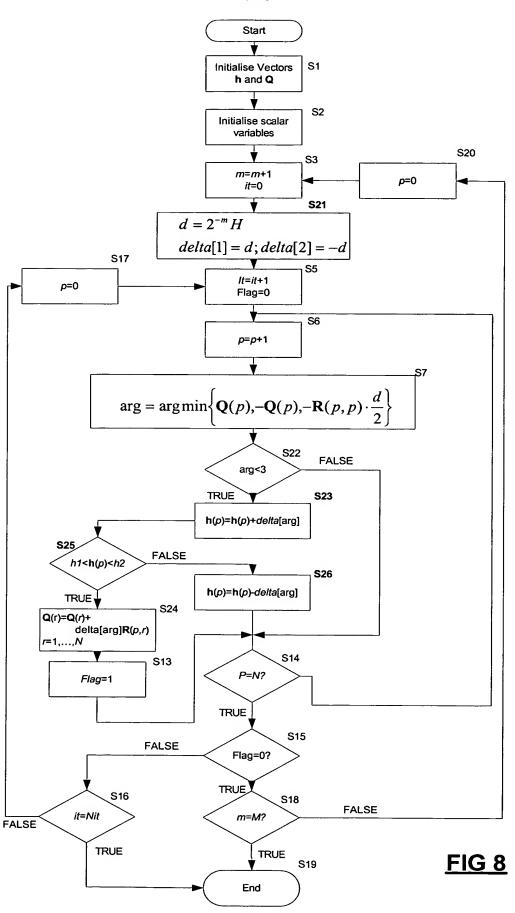
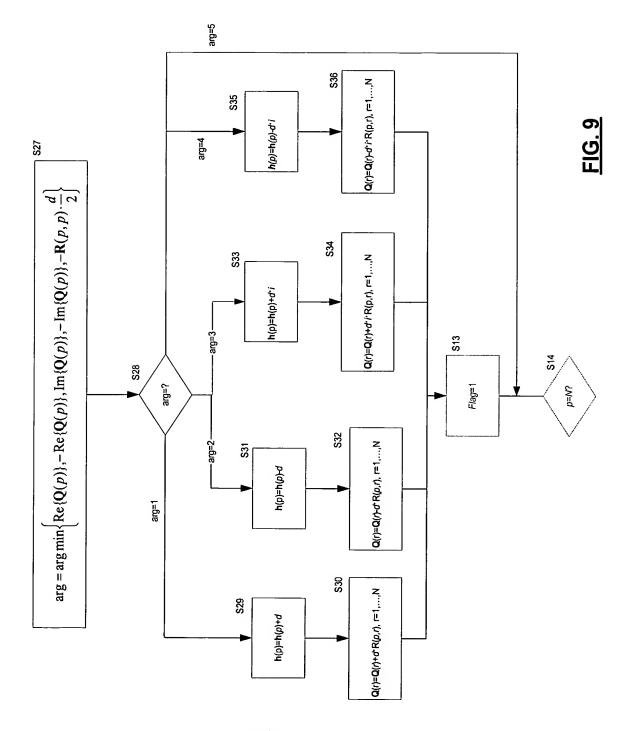
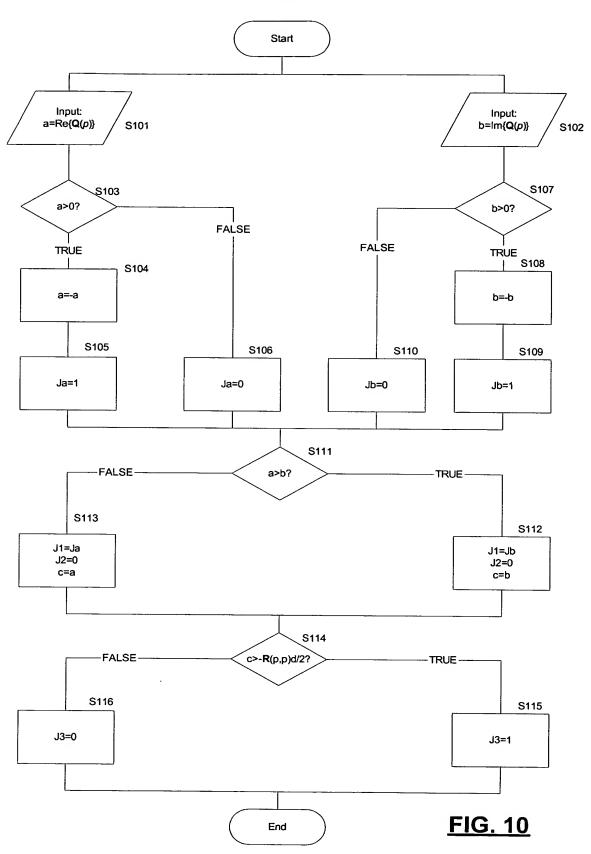


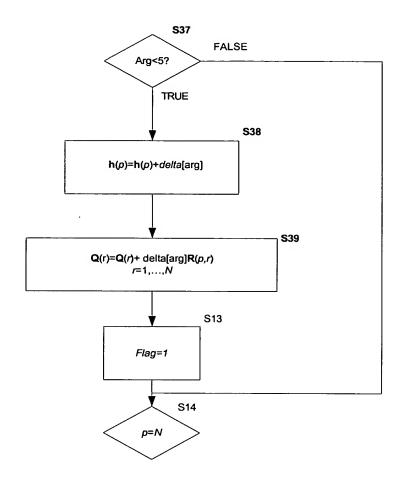
```
function h=LS_real(R,N,M,H,Nit,beta);
h=zeros(N,1);
delta=zeros(1,2);
Q=-beta;
d=H/2;
for m=1:M
   delta(1)=d; delta(2)=-d;
   d=d/2;
   for it=1:Nit
       Flag=0;
       for p=1:N
            [val arg] = min([Q(p),-Q(p),-R(p,p)*d]);
            if arg<3
               Flag=1;
               h(p) = h(p) + delta(arg);
               Q=Q+delta(arg)*R(p,:);
           end
       end
       if Flag==0 break; end
   end
end
return
```

**FIG 7** 





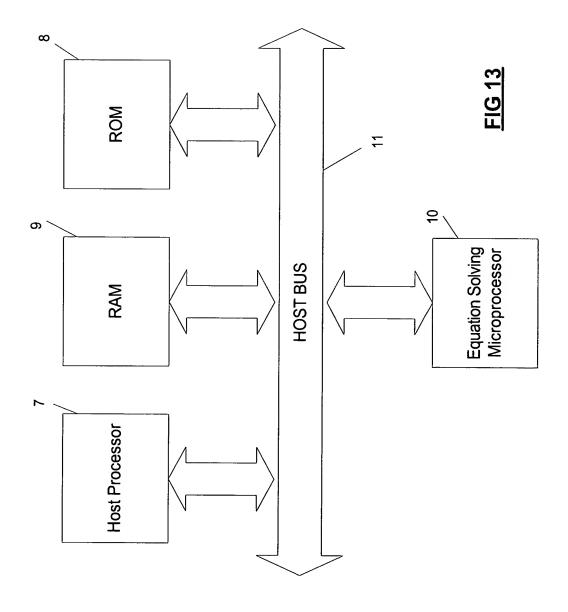




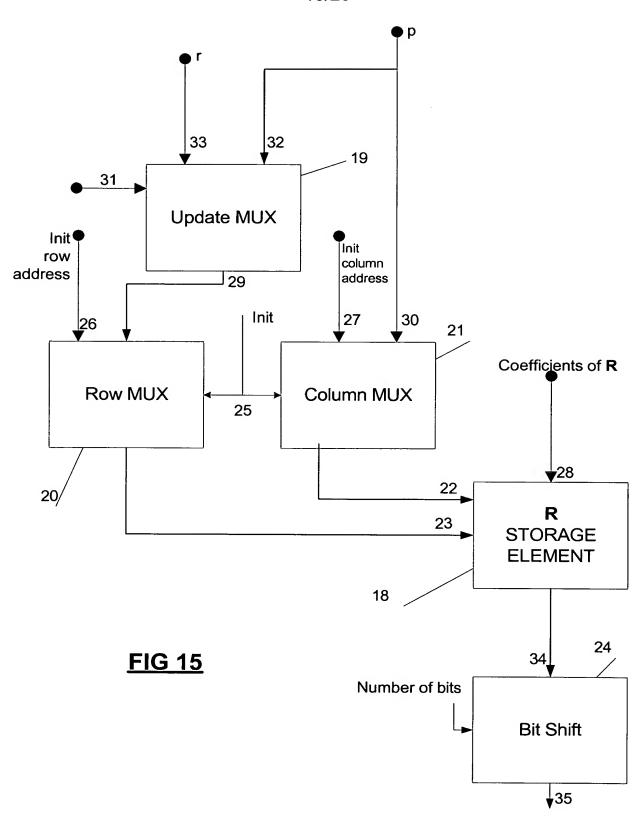
**FIG 11** 

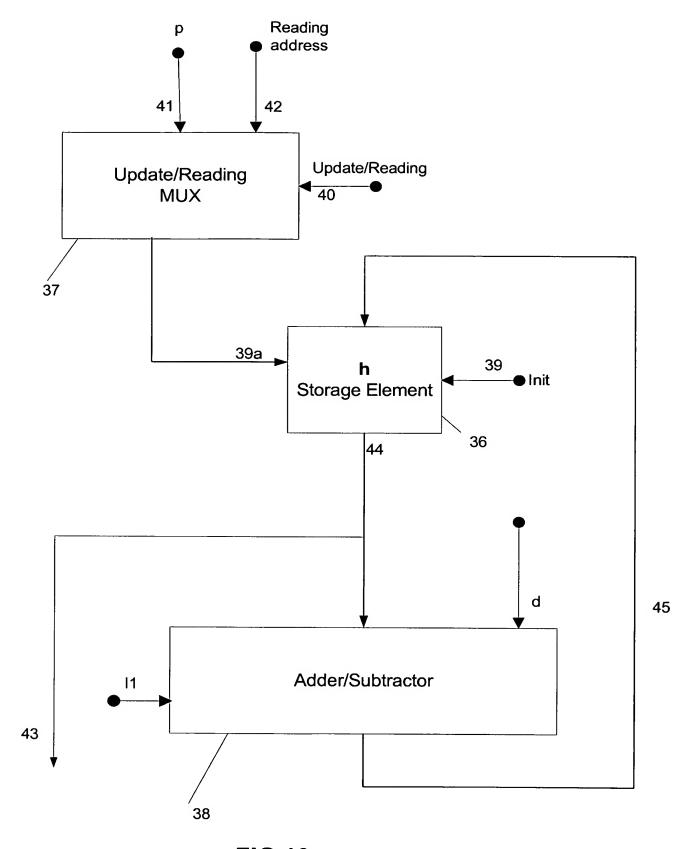
```
function h=LS_cmplx(R,N,M,H,Nit,beta);
h=zeros(N,1);
delta=zeros(1,4);
Q=-beta;
d=H/2;
for m=1:M
   delta(1)=d; delta(2)=-d; delta(3)=i*d; delta(4)=-i*d;
   d=d/2;
   for it=1:Nit
       Flag=0;
       for p=1:N
           [val arg]=min([real(Q(p)),-real(Q(p)),...
                           imag(Q(p)), -imag(Q(p)), -R(p,p)*d]);
           if arg<5
              Flag=1;
              h(p) = h(p) + delta(arg);
              Q=Q+delta(arg)*R(p,:);
           end
       end
       if Flag==0 break; end
   end
end
return
```

## **FIG 12**

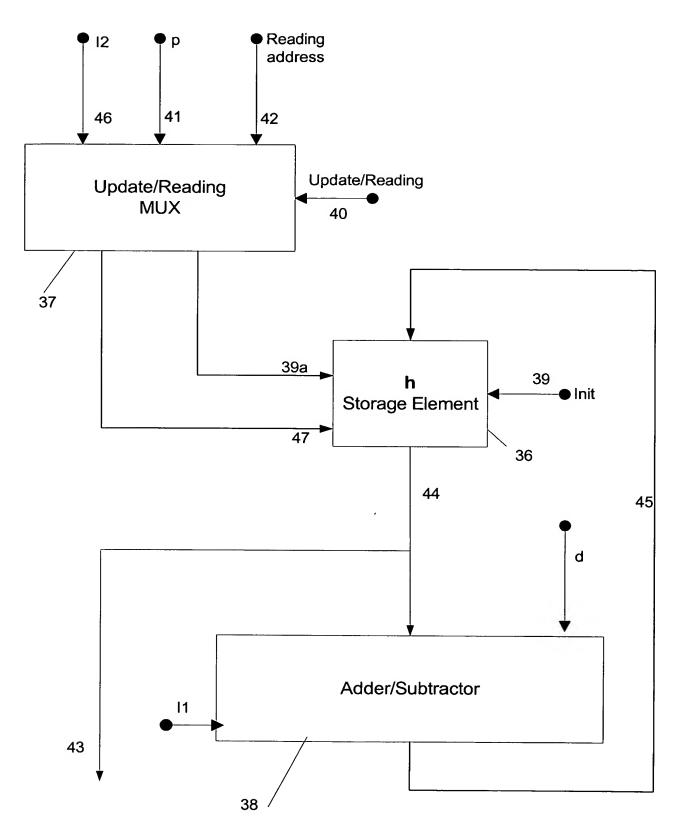


15/20

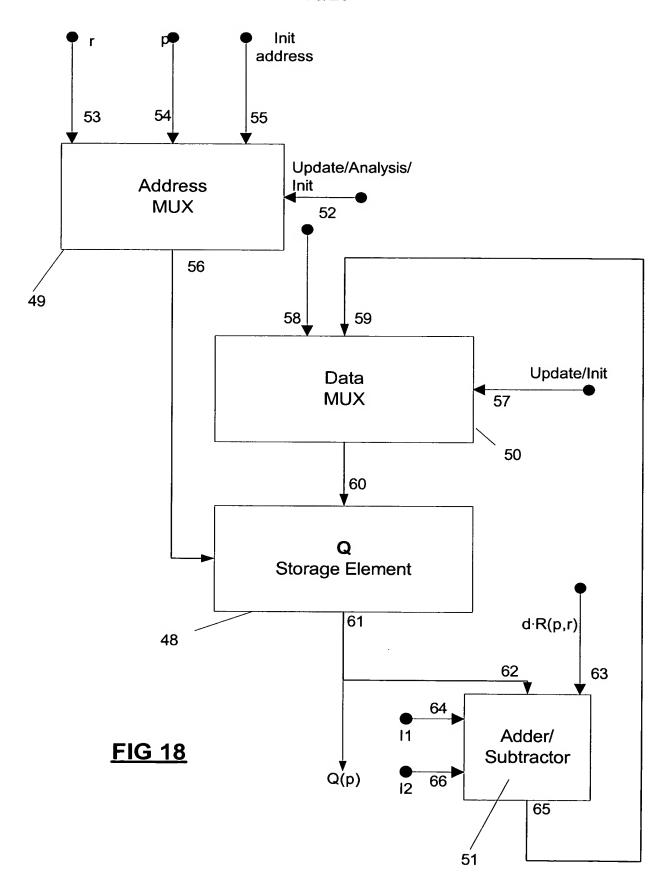


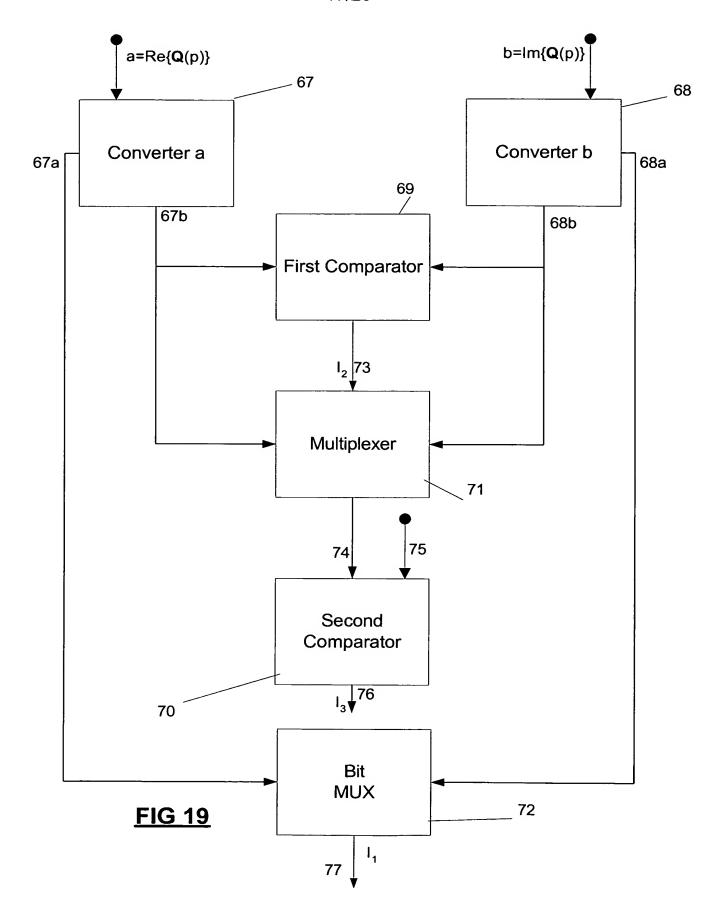


**FIG 16** 



**FIG 17** 





```
function h=LS_real_beta(R,N,M,H,Nit,beta);
h=zeros(N,1);
delta=zeros(1,2);
d=H/2;
for m=1:M
   delta(1)=d; delta(2)=-d;
   d=d/2;
   for it=1:Nit
       Flag=0;
       for p=1:N
            [val arg] = min([-beta(p), beta(p), -R(p,p)*d]);
            if arg<3
               Flag=1;
               h(p) = h(p) + delta(arg);
               beta=beta-delta(arg)*R(p,:);
           end
       end
       if Flag==0 break; end
   end
end
return
```

## **FIG 19a**

